

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086950.D
 Acq On : 11 Jun 2025 15:50
 Operator : JC\MD
 Sample : Q2189-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7-20250602

Quant Time: Jun 12 01:34:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

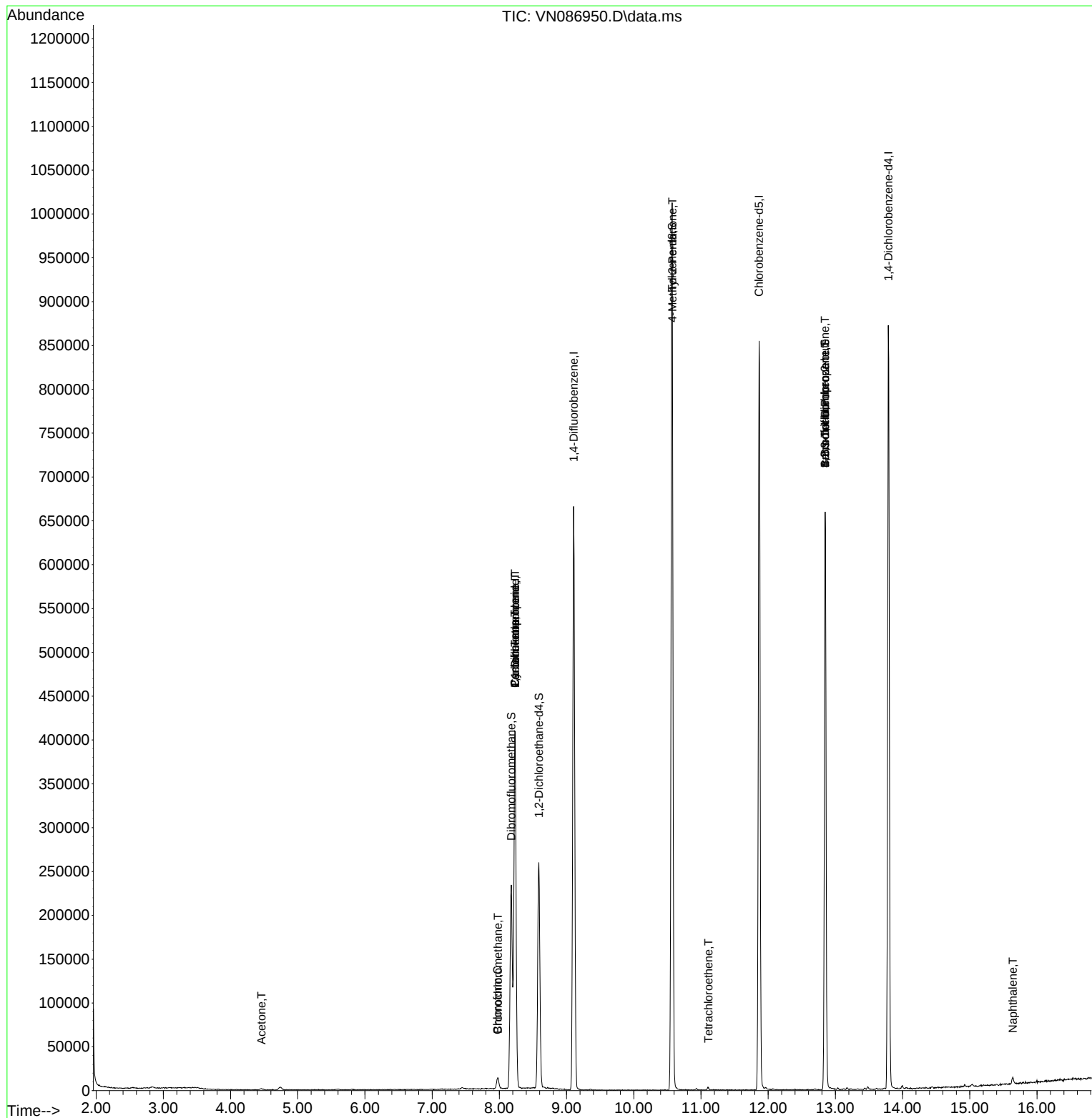
Internal Standards						
1) Pentafluorobenzene	8.235	168	324602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	609433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	539592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	257717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	212712	48.944	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	97.880%	
35) Dibromofluoromethane	8.177	113	178011	49.288	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.580%	
50) Toluene-d8	10.570	98	746257	52.195	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	104.380%	
62) 4-Bromofluorobenzene	12.847	95	262926	49.497	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	99.000%	
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	2809	1.219	ug/l	90
28) Bromochloromethane	7.977	49	818	0.229	ug/l #	13
30) Chloroform	7.971	83	13116	1.807	ug/l	99
31) Cyclohexane	8.229	56	5807	0.824	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	24934	4.633	ug/l #	48
38) Carbon Tetrachloride	8.235	117	31516	5.965	ug/l #	17
51) 4-Methyl-2-Pentanone	10.576	43	2577	0.389	ug/l #	1
64) Tetrachloroethene	11.112	164	721	0.211	ug/l #	71
71) Bromoform	12.847	173	1356	0.478	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	121973	19.911	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	121973	45.833	ug/l #	16
95) Naphthalene	15.641	128	8405	0.434	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q2189-01RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 12 01:34:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

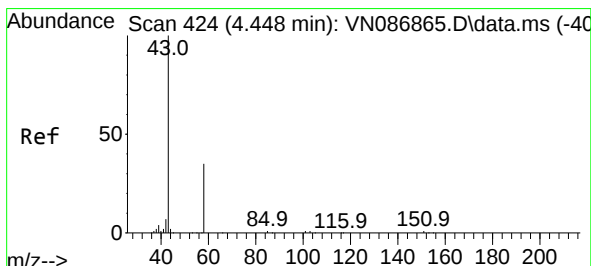
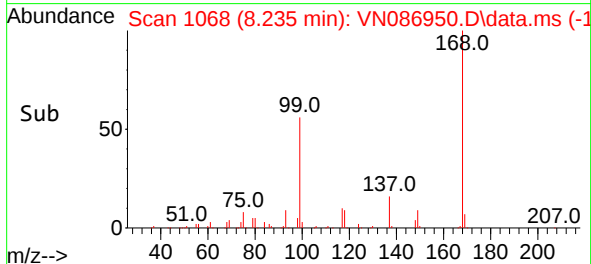
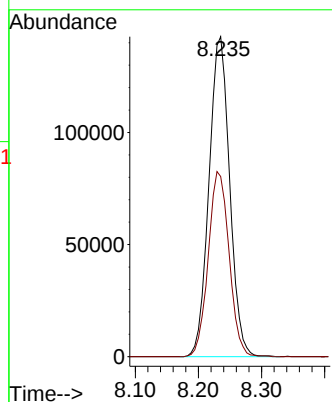
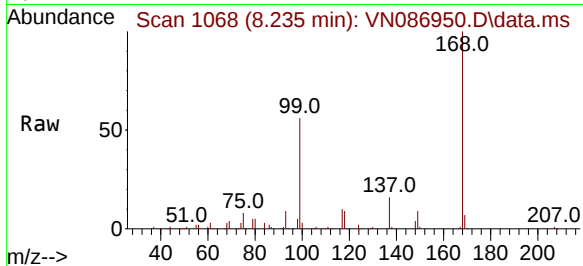




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

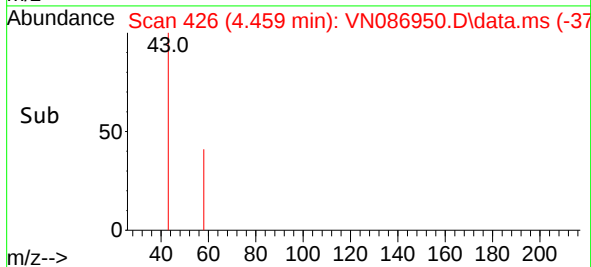
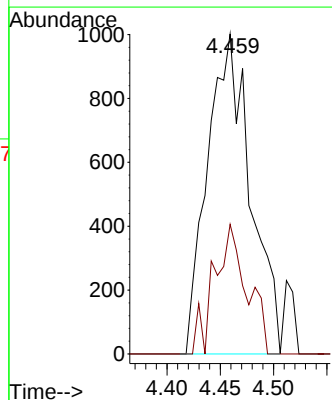
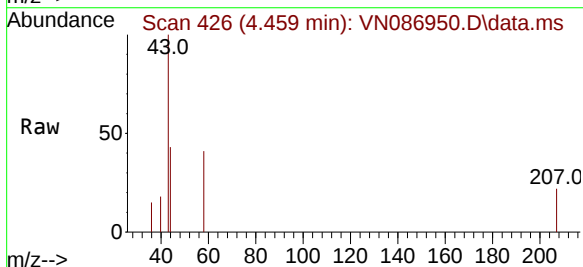
Instrument :
MSVOA_N
ClientSampleId :
MW-7-20250602

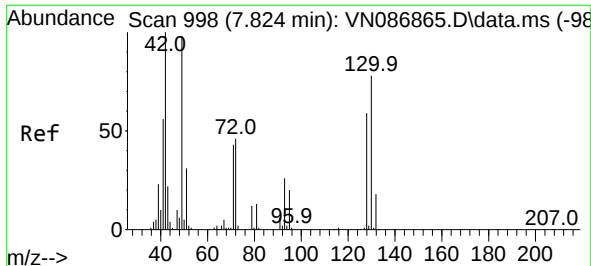
Tgt Ion:168 Resp: 324602
Ion Ratio Lower Upper
168 100
99 56.3 49.1 73.7



#16
Acetone
Concen: 1.219 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

Tgt Ion: 43 Resp: 2809
Ion Ratio Lower Upper
43 100
58 40.5 28.0 42.0

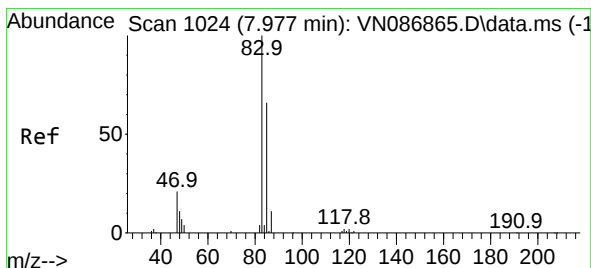
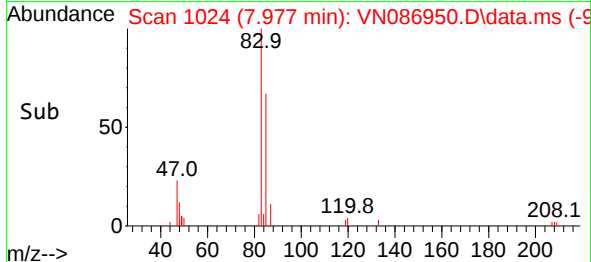
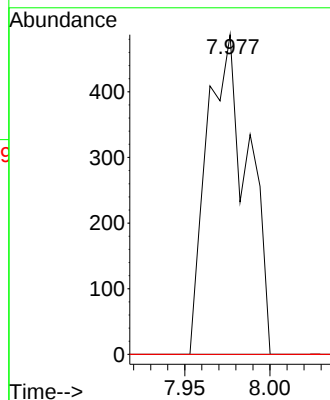
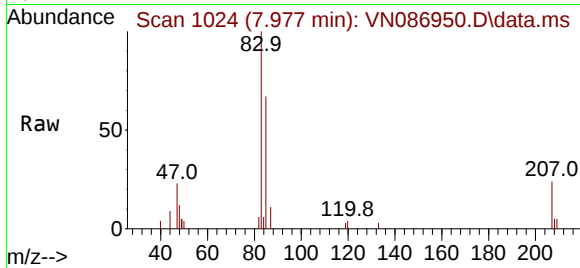




#28
Bromochloromethane
Concen: 0.229 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.153 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

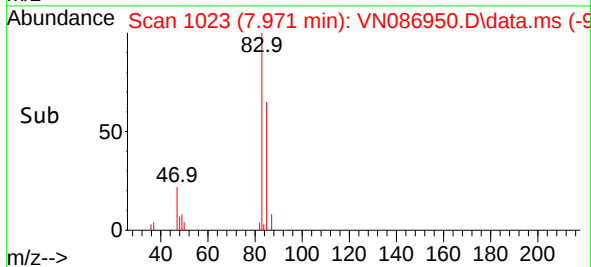
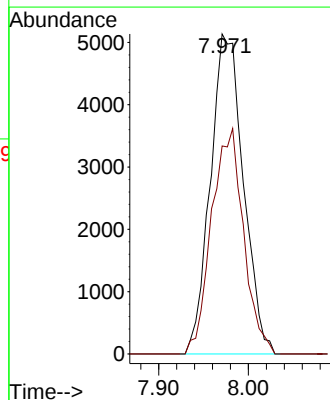
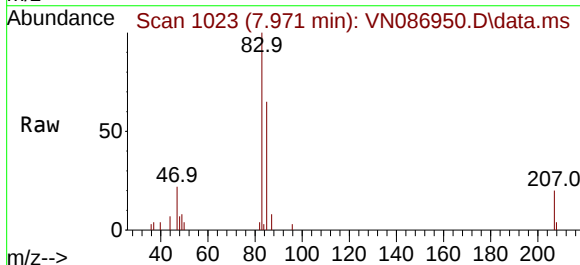
Instrument :
MSVOA_N
ClientSampleId :
MW-7-20250602

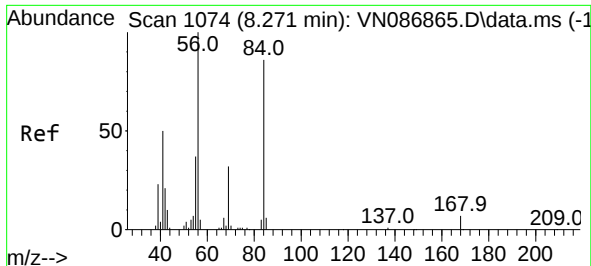
Tgt Ion: 49 Resp: 818
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 62.2 93.2#



#30
Chloroform
Concen: 1.807 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.006 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

Tgt Ion: 83 Resp: 13116
Ion Ratio Lower Upper
83 100
85 65.0 52.9 79.3

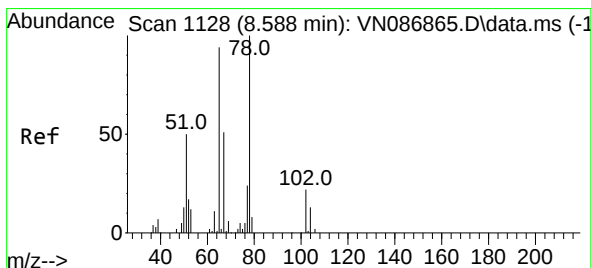
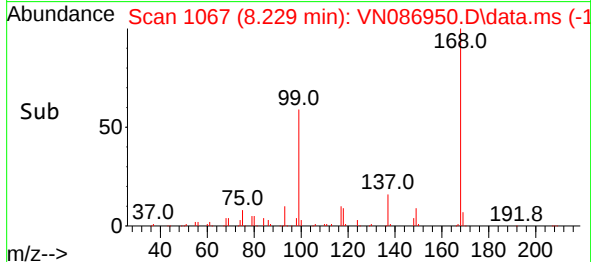
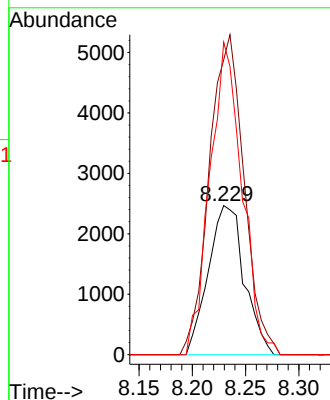
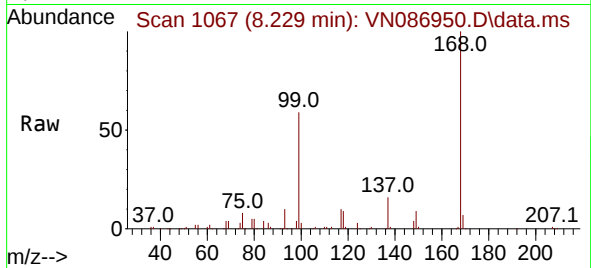




#31
Cyclohexane
Concen: 0.824 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

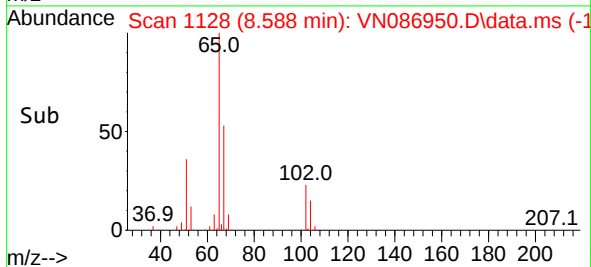
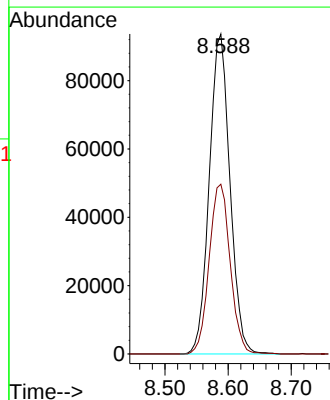
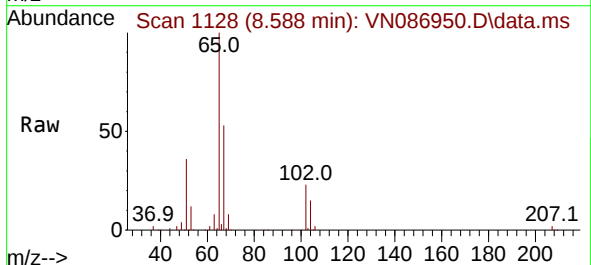
Instrument :
MSVOA_N
ClientSampleId :
MW-7-20250602

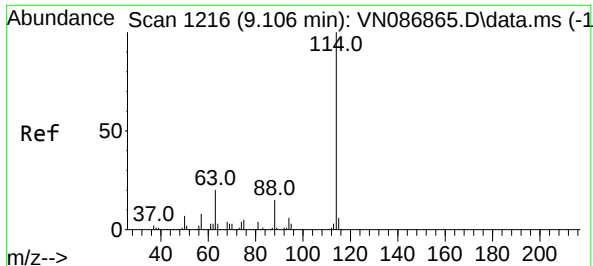
Tgt Ion: 56 Resp: 5807
Ion Ratio Lower Upper
56 100
69 197.7 25.4 38.0#
84 209.5 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.944 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

Tgt Ion: 65 Resp: 212712
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.6

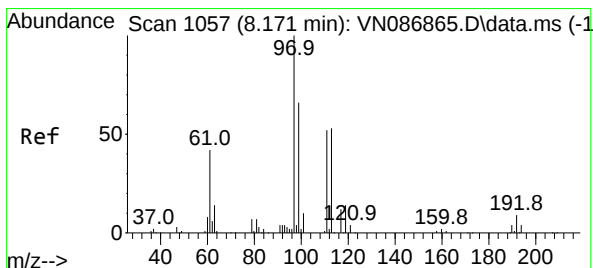
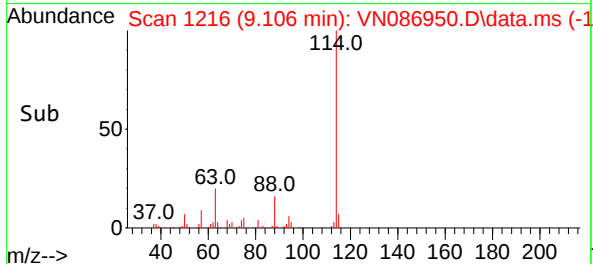
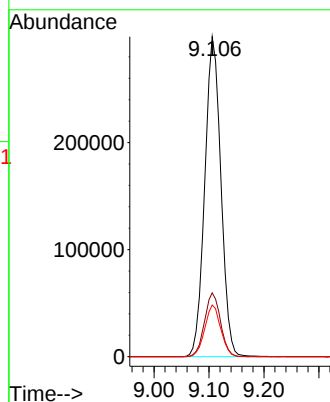
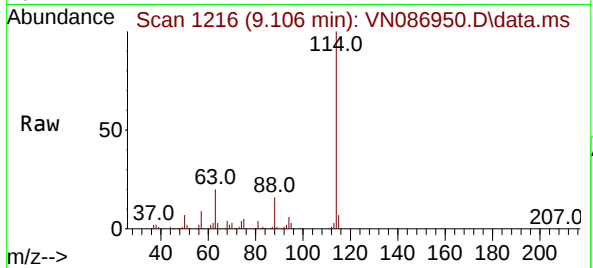




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

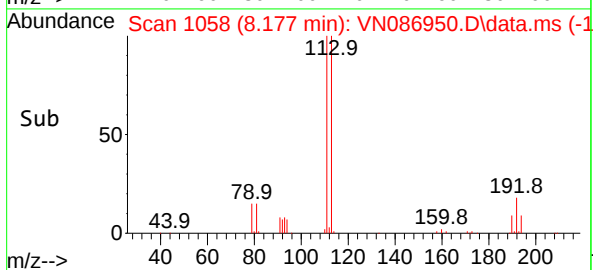
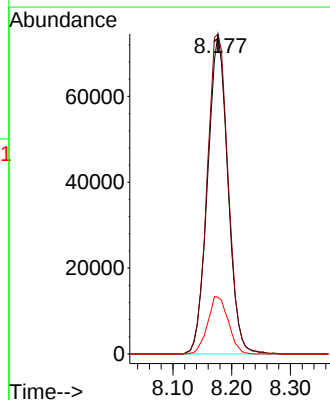
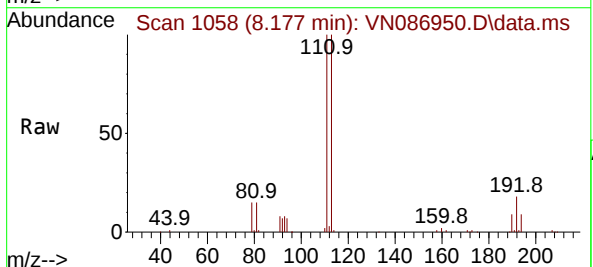
Instrument :
MSVOA_N
ClientSampleId :
MW-7-20250602

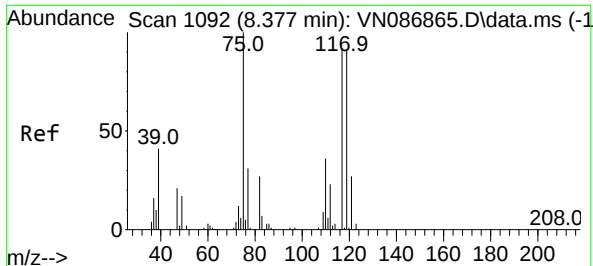
Tgt Ion:114 Resp: 609433
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.6
88 16.1 0.0 30.2



#35
Dibromofluoromethane
Concen: 49.288 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

Tgt Ion:113 Resp: 178011
Ion Ratio Lower Upper
113 100
111 104.0 84.2 126.2
192 18.3 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.633 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN086950.D

Acq: 11 Jun 2025 15:50

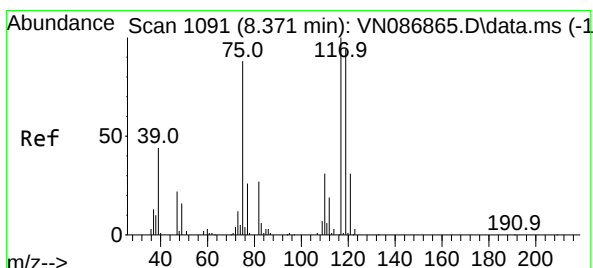
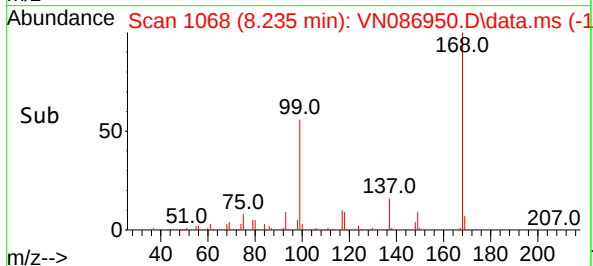
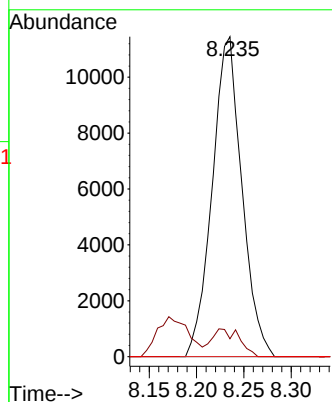
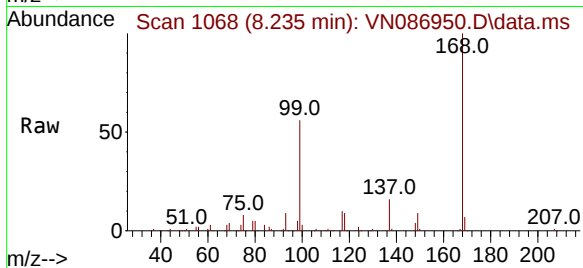
Instrument :

MSVOA_N

ClientSampleId :

MW-7-20250602

Tgt Ion:	75	Resp:	24934
Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.6	52.9#
77	0.0	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 5.965 ug/l

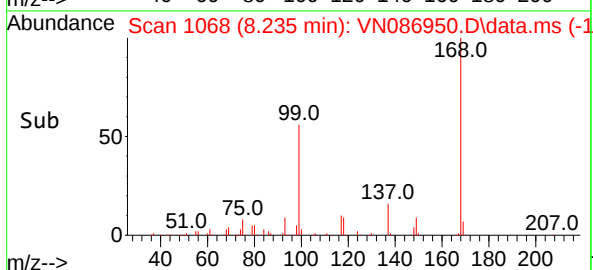
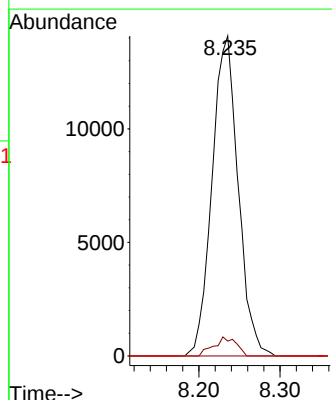
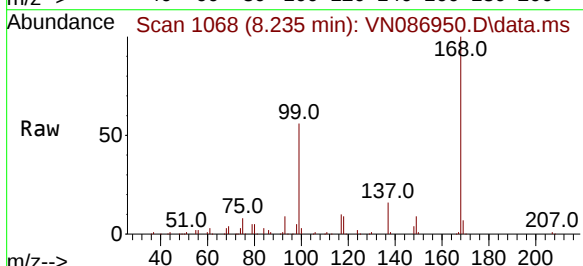
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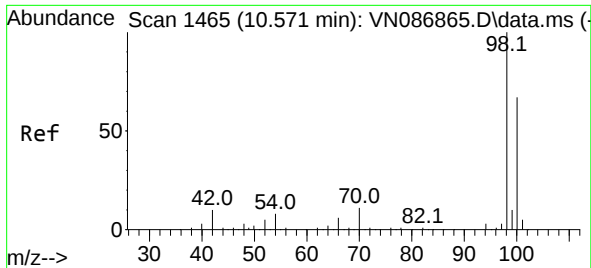
Delta R.T. -0.136 min

Lab File: VN086950.D

Acq: 11 Jun 2025 15:50

Tgt Ion:	117	Resp:	31516
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.0	112.6#
121	0.0	24.9	37.3#

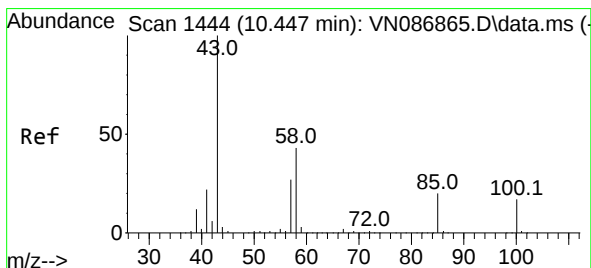
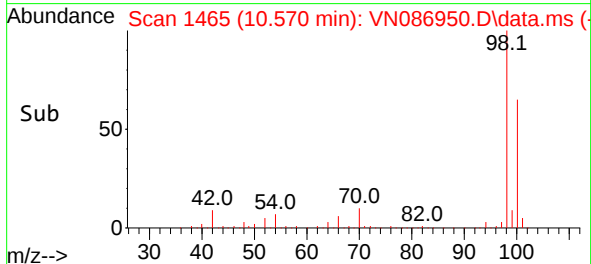
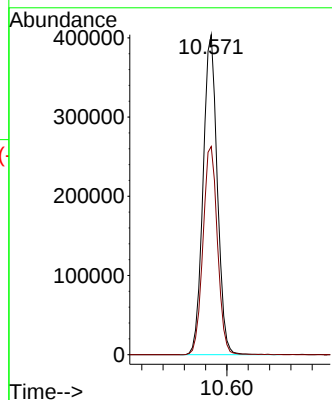
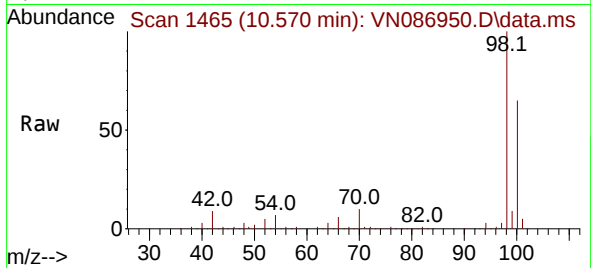




#50
Toluene-d8
Concen: 52.195 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

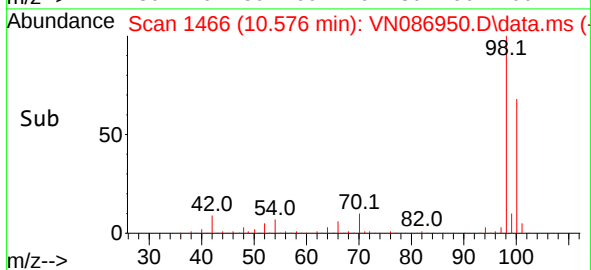
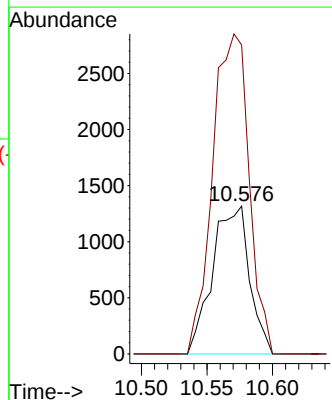
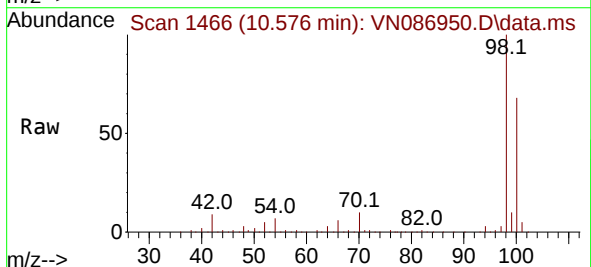
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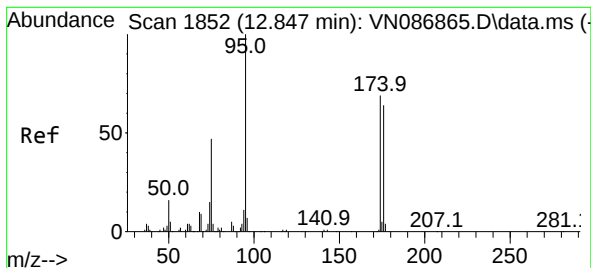
Tgt Ion: 98 Resp: 746257
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.389 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.129 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

Tgt Ion: 43 Resp: 2577
Ion Ratio Lower Upper
43 100
58 213.8 34.2 51.4#

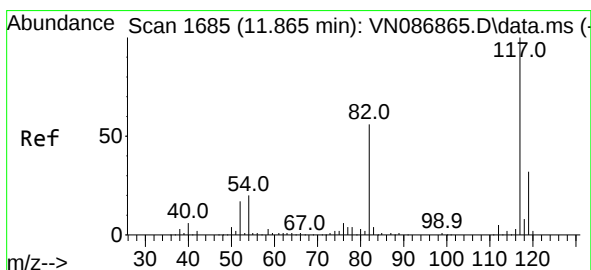
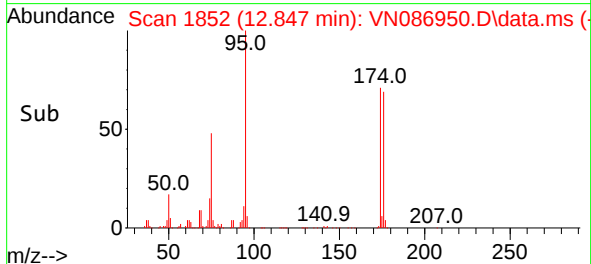
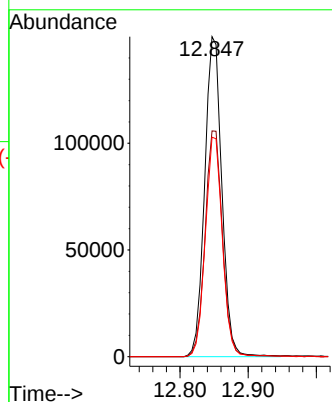
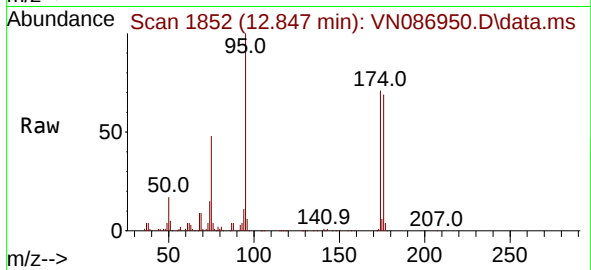




#62
4-Bromofluorobenzene
Concen: 49.497 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

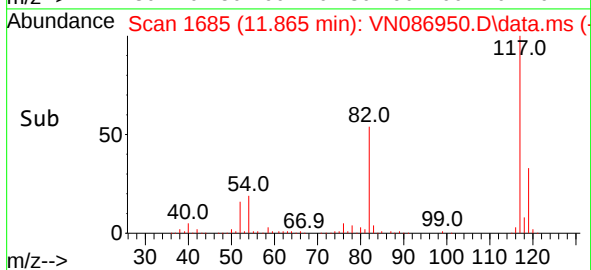
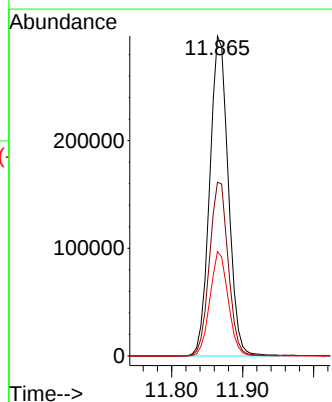
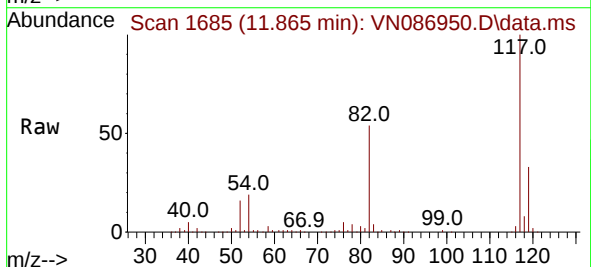
Instrument :
MSVOA_N
ClientSampleId :
MW-7-20250602

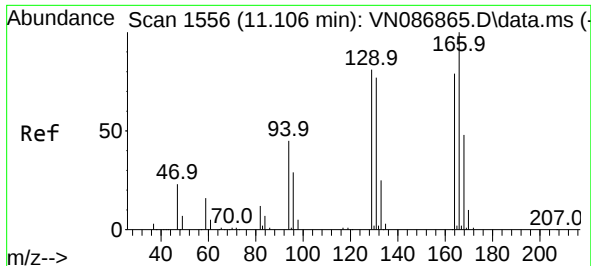
Tgt Ion: 95 Resp: 262926
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.8
176 68.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

Tgt Ion: 117 Resp: 539592
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 32.6 25.5 38.3

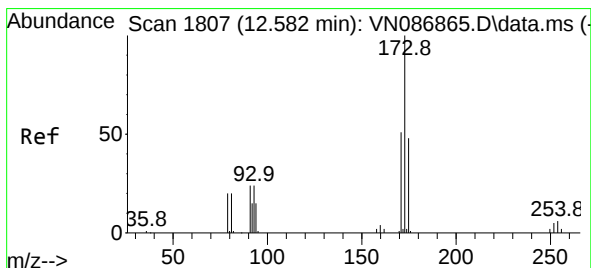
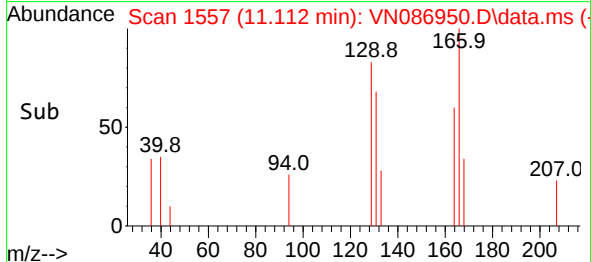
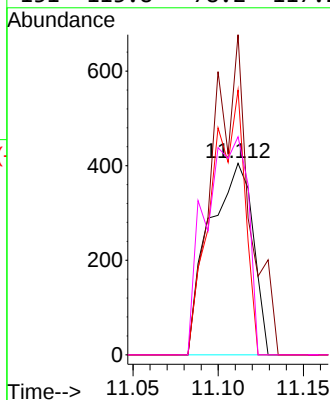
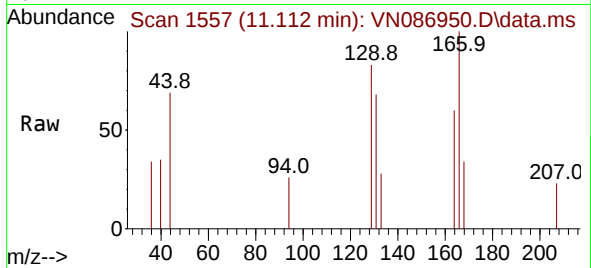




#64
Tetrachloroethene
Concen: 0.211 ug/l
RT: 11.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

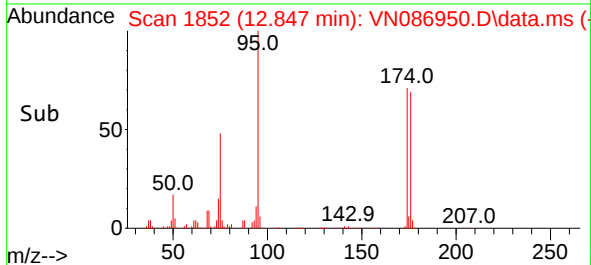
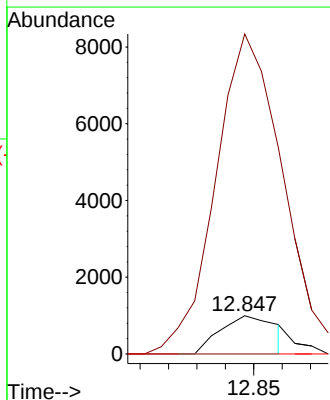
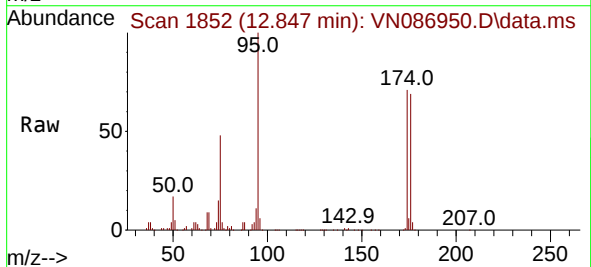
Instrument :
MSVOA_N
ClientSampleId :
MW-7-20250602

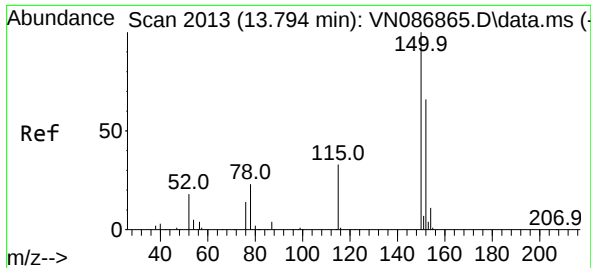
Tgt Ion:164 Resp: 721
Ion Ratio Lower Upper
164 100
166 167.2 101.8 152.8#
129 138.3 83.0 124.4#
131 113.8 78.2 117.2



#71
Bromoform
Concen: 0.478 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.264 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

Tgt Ion:173 Resp: 1356
Ion Ratio Lower Upper
173 100
175 882.2 24.1 72.4#
254 0.0 0.0 0.0

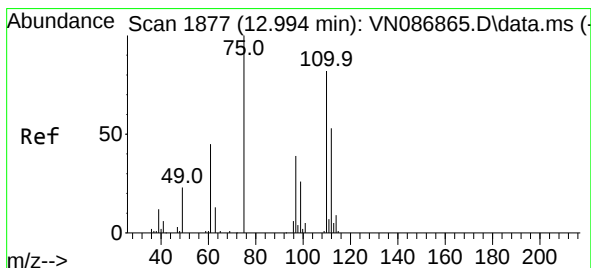
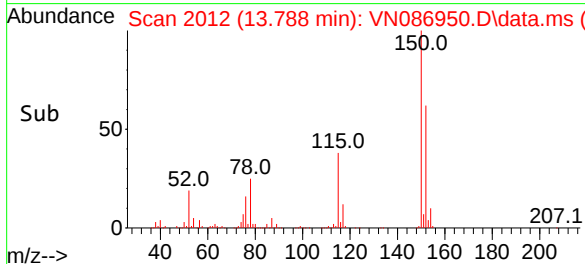
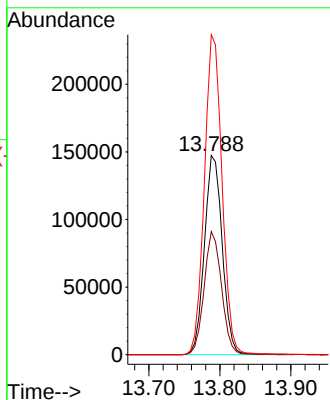
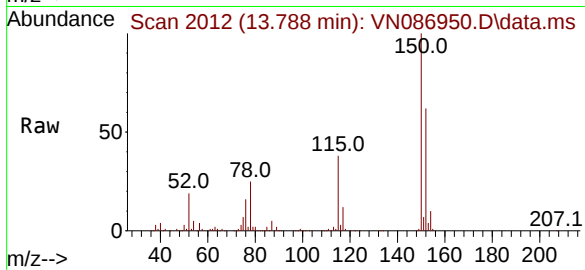




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

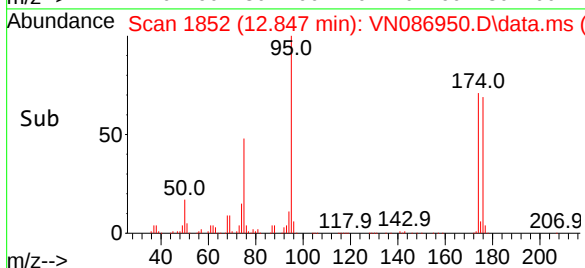
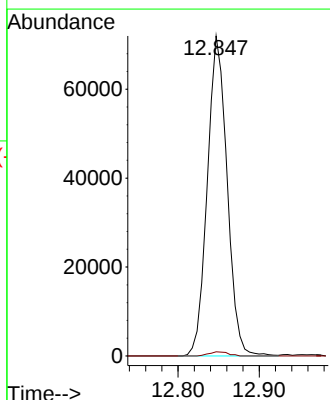
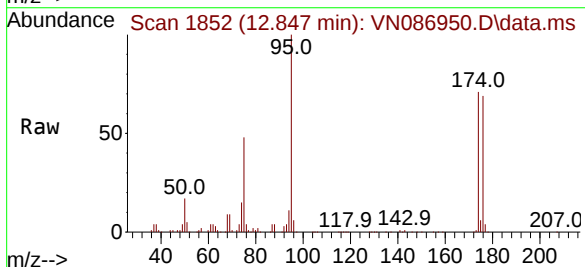
Instrument :
MSVOA_N
ClientSampleId :
MW-7-20250602

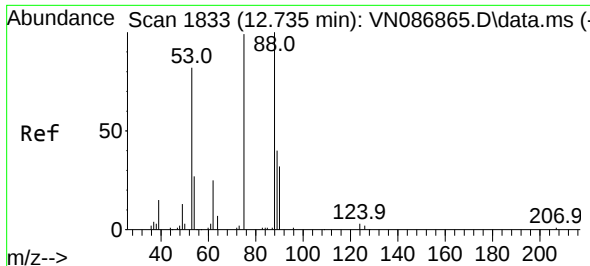
Tgt Ion:152 Resp: 257717
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.5
150 159.0 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 19.911 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

Tgt Ion: 75 Resp: 121973
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#

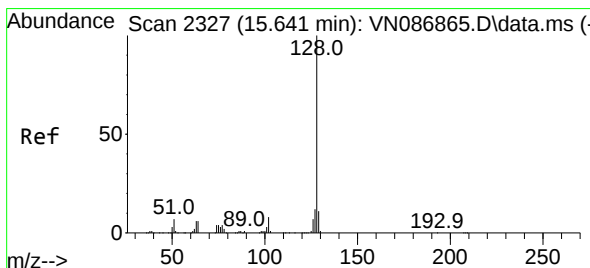
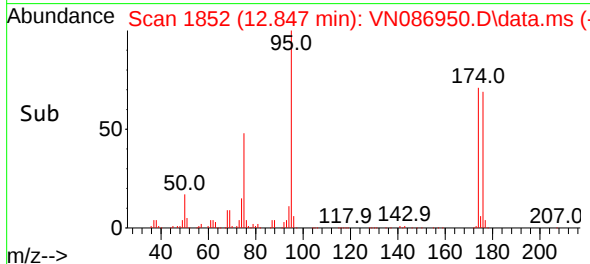
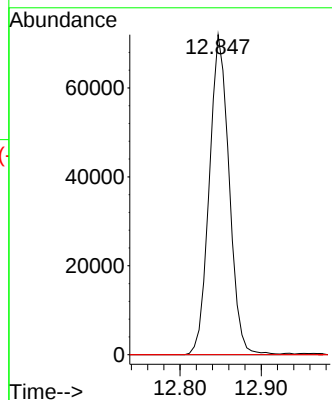
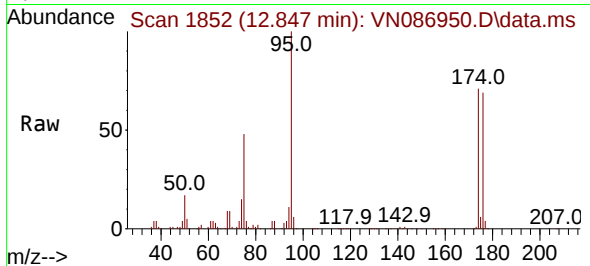




#81
trans-1,4-Dichloro-2-butene
Concen: 45.833 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

Instrument :
MSVOA_N
ClientSampleId :
MW-7-20250602

Tgt Ion: 75 Resp: 121973
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 0.434 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086950.D
Acq: 11 Jun 2025 15:50

Tgt Ion: 128 Resp: 8405
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.2
129 11.2 8.8 13.2

